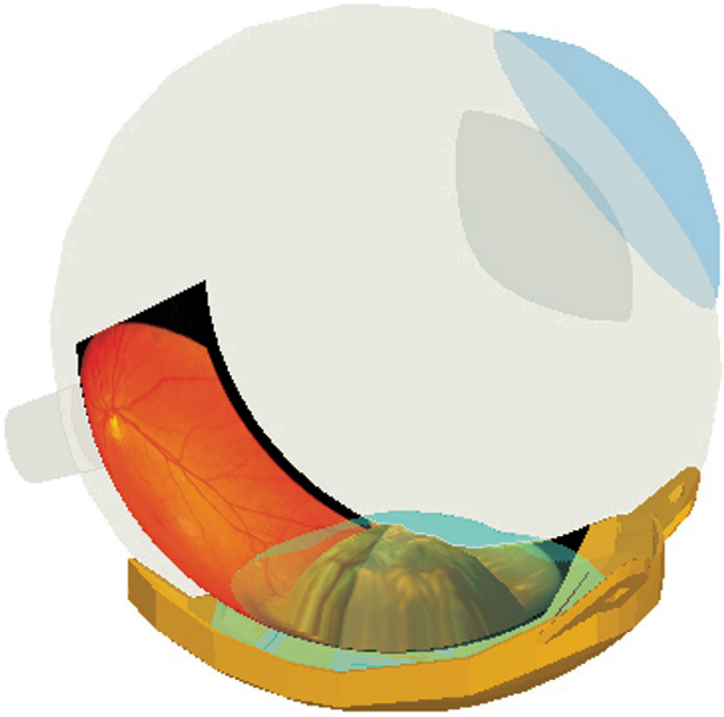
Plaque Simulator



- Interactive 3D treatment simulation
- For BEBIG Ru-106 plaques, I-125, Pd-103 and Ir-192 plaques
- Creates precise 3D and 2D models of both eye and tumor
- Optionally works with CT and/or MR images, fundus camera photographs and ultrasound studies
- Isodose calculation and display in 3D and 2D
- Regular updates available

Application

Plaque Simulator is a 3D treatment simulation and modeling package for Ru-106, I-125, Pd-103 and Ir-192 plaque therapy of ocular tumors and macular degeneration.

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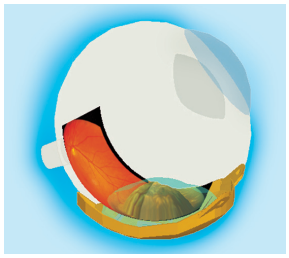
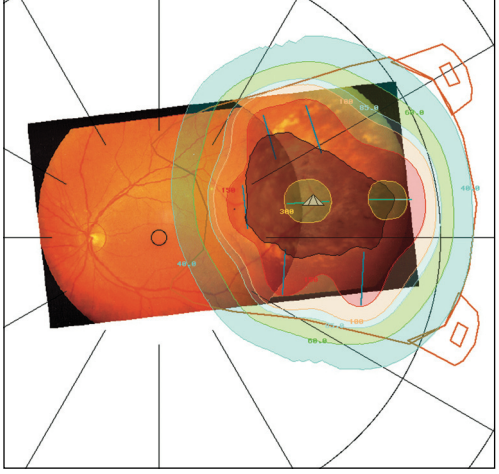




General Information

BEBIG Plaque Simulator is the substantially enhanced and updated commercial adaptation of the interactive three dimensional treatment planning system for ophthalmic plaque radiotherapy developed by Melvin Astrahan and others at the University of Southern California School of Medicine. It has seen continuous clinical use since 1989. It supports the isotopes Ru-106, I-125, Pd-103 and Ir-192.

Plaque Simulator optionally uses measurements derived from CT and/or MR images, fundus camera photographs and ultrasound studies to build visually realistic and spatially precise three dimensional models of the patient's eye and tumor. Plaque Simulator comes with detailed "ready-to-go" 3D models of most plaques manufactured by BEBIG, ROPES and Trachsel (COMS plaques), including notched plaques.

Plaque Simulator calculates and graphically displays physical parameters including suture eyelet location, distance from anatomic landmarks and dosimetric parameters such as radiation collimation, dose rate, dose volume, isodose lines and isodose surfaces. The software allows you to simulate the treatment process down to the finest details, resulting in fast surgery and highly conformal dose distributions.

Plaque Simulator is well suited to support most administrative tasks and documentation requirements and is currently the dosimetry simulation program most widely used among ophthalmic oncologists worldwide.

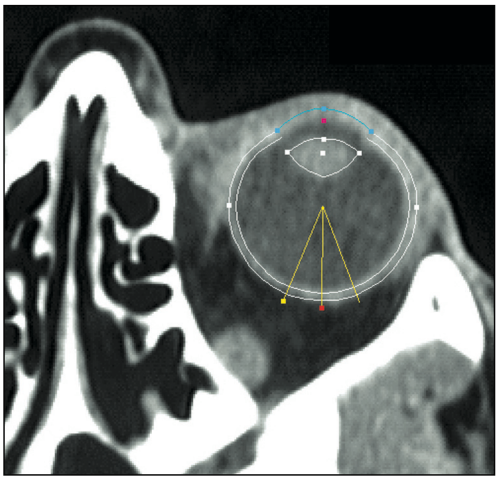
Hardware Requirements

The current version 4 of Plaque Simulator is intended for a PowerMac G3 or G4, iMac, iBook or Powerbook G3 or G4 computer running MacOS 9.1. Plaque Simulator will also run on most older MacOS compatible computers that have a PCI bus, 64MB RAM, an ATI 3D accelerator and that can run MacOS 8.5 or greater.

Further Information and Download of Demo Versions

http://radonc.usc.edu/USCRadOnc/Downloadable/plaquesimulator.html or http://www.bebig.de

Plaque Simulator BEBIG Order no. 000 390



Please note: Plaque Simulator is not medical software in the sense of, for example, FDA regulations, and therefore does not relieve physicians, physicists or dosimetrists from any of their dosimetric responsibilities or liabilities.

The information given above is not sufficient for safe handling of the product. For more detailed information please refer to the instructions for use.

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